Author Index

Akerkar, G.A., see Bertram, M.J. (38) 33
Ard, R.L., see Bertram, M.J. (38) 33

Bertram, M.J., Akerkar, G.A., Ard, R.L., Gonzalez, C. and Wolfner, M.F.
Cell type-specific gene expression in the *Drosophila melanogaster* male accessory gland (38) 33
Birchenall-Roberts, M.C., see Engelmann, G.L. (38) 85
Blair, S.S., Giangrande, A., Skeath, J.B. and Palka, J.
The development of normal and ectopic sensilla in the wings of *hairy* and *Hairy wing* mutants of *Drosophila* (38) 3
Boehm, K.D., see Engelmann, G.L. (38) 85
Brennan, S.M.
Retinoic acid prevents accumulation of a mesoderm-specific mRNA in the amphibian embryo (38) 17
Buckingham, M., see Keller, A. (38) 41

Clement, J., see Knöchel, S. (38) 157
Criqui, M.-C., Plesse, B., Durr, A., Marbach, J., Parmentier, Y., Jamet, E. and Fleck, J.
Characterization of genes expressed in mesophyll protoplasts of *Nicotiana sylvestris* before the re-initiation of the DNA replicational activity (38) 121

Dressler, G.R., see Püschel, A.W. (38) 197
Durr, A., see Criqui, M.-C. (38) 121

Engelmann, G.L., Boehm, K.D., Birchenall-Roberts, M.C. and Ruscetti, F.W.
Transforming growth factor-beta$_1$ in heart development (38) 85

Fleck, J., see Criqui, M.-C. (38) 121
Frohman, M.A. and Martin, G.R.
Isolation and analysis of embryonic expression of *Hox-4.9*, a member of the murine *labial*-like gene family (38) 55

Giangrande, A., see Blair, S.S. (38) 3
Gillespie, L.L., Paterno, G.D., Mahadevan, L.C. and Slack, J.M.W.
Intracellular signalling pathways involved in mesoderm induction by FGF (38) 99
Gonzalez, C., see Bertram, M.J. (38) 33
Gros, F., see Keller, A. (38) 41
Grunz, H.
Suramin changes the fate of Spemann's organizer and prevents neural induction in *Xenopus laevis* (38) 133
Gudas, L.J., see Langston, A.W. (38) 217

Harvey, M.B. and Kaye, P.L.
IGF-2 Stimulates growth and metabolism of early mouse embryos (38) 169
Hille, S., see Knöchel, S. (38) 157
Hirst, E.M.A., see Howard, J.E. (38) 109
Howard, J.E., Hirst, E.M.A. and Smith, J.C.
Are β_1 integrins involved in *Xenopus* gastrulation? (38) 109

Jamet, E., see Criqui, M.-C. (38) 121

Kaye, P.L., see Harvey, M.B. (38) 169
Keller, A., Ott, M.-O., Lamandé, N., Lucas, M., Gros, F., Buckingham, M. and Lazar, M.
Activation of the gene encoding the glycolytic enzyme β-enolase during early myogenesis precedes an increased expression during fetal muscle development (38) 41
Klocke, B., see Knöchel, S. (38) 157
Knöchel, S., Lef, J., Clement, J., Klocke, B., Hille, S., Köster, M. and Knöchel, W.
Activin A induced expression of a *fork head* related gene in posterior chordamesoderm (notochord) of *Xenopus laevis* embryos (38) 157
Knöchel, W., see Knöchel, S. (38) 157
Köster, M., see Knöchel, S. (38) 157
Kuhn, K., see Maier, D. (38) 143

Lamandé, N., see Keller, A. (38) 41
Langston, A.W. and Gudas, L.J.
Identification of a retinoic acid responsive enhancer 3′ of the murine homeobox gene Hox-1.6 (38) 217
Lazar, M., see Keller, A. (38) 41
Lef, J., see Knöchel, S. (38) 157
Levine, M., see Read, D. (38) 183
Lucas, M., see Keller, A. (38) 41

Mahadevan, L.C., see Gillespie, L.L. (38) 99
Maier, D., Stumm, G., Kuhn, K. and Preiss, A.
Hairless, a *Drosophila* gene involved in neural development, encodes a novel, serine rich protein (38) 143
Manley, J.L., see Read, D. (38) 183
Mansour, T.E., see Webster, P.J. (38) 25
Marbach, J., see Criqui, M.-C. (38) 121
Martin, G.R., see Frohman, M.A. (38) 55
Martin, P. and Nobes, C.D.
An early molecular component of the wound healing response in rat embryos—induction of c-*fos* protein in cells at the epidermal wound margin (38) 209

Nobes, C.D., see Martin, P. (38) 209

Ott, M.-O., see Keller, A. (38) 41

Palka, J., see Blair, S.S. (38) 3
Parmentier, Y., see Criqui, M.-C. (38) 121
Paterno, G.D., see Gillespie, L.L. (38) 99
Plesse, B., see Criqui, M.-C. (38) 121
Preiss, A., see Maier, D. (38) 143
Püschel, A.W., Westerfield, M. and Dressler, G.R.
Comparative analysis of Pax-2 protein distributions during neurulation in mice and zebrafish (38) 197

Read, D., Levine, M. and Manley, J.L.
Ectopic expression of the *Drosophila tramtrack* gene results in multiple embryonic defects, including repression of *even-skipped* and *fushi tarazu* (38) 183
Ruscetti, F.W., see Engelmann, G.L. (38) 85

Skeath, J.B., see Blair, S.S. (38) 3
Slack, J.M.W., see Gillespie, L.L. (38) 99
Slack, J.M.W., see Thompson, J. (38) 175
Smith, J.C., see Howard, J.E. (38) 109
Stumm, G., see Maier, D. (38) 143

Tata, J.R., see Xu, Q. (38) 69
Thompson, J. and Slack, J.M.W.
Over-expression of fibroblast growth factors in *Xenopus* embryos (38) 175

Webster, P.J. and Mansour, T.E.
Conserved classes of homeodomains in *Schistosoma mansoni*, an early bilateral metazoan (38) 25

Westerfield, M., see Püschel, A.W. (38) 197
Wolfner, M.F., see Bertram, M.J. (38) 33

Xu, Q. and Tata, J.R.
Characterization and developmental expression of *Xenopus* C/EBP gene (38) 69

Subject Index

***Achaete-scute* complex**
Helix-loop-helix protein; Imaginal disc; Neurogenesis (Blair, S.S. (38) 3)

Activin
Xenopus; Gastrulation; Integrin; Fibronectin; Mesoderm induction (Howard, J.E. (38) 109)

Anionic peroxidase
Development; Gene expression; *Nicotiana sylvestris*; Proteinase inhibitor I; Protoplast; Stress (Criqui, M.-C. (38) 121)

Antennapedia
Homeobox; *Schistosoma mansoni*; *engrailed*; *paired* (Webster, P.J. (38) 25)

Basic fibroblast growth factor
Xenopus laevis; Signal sequence; Secretion; Mesoderm induction (Thompson, J. (38) 175)

Brain
Engrailed; Paired-box; Spinal cord (Püschel, A.W. (38) 197)

C/EBP mRNA
DNA binding; Metamorphosis; Tissue distribution; Transcription factor (Xu, Q. (38) 69)

c-*fos*
Embryo; Morphogenetic movement; Wound healing (Martin, P. (38) 209)

Dermatome
Hox; Homeobox; Mouse embryology; Neurogenesis; Positional information (Frohman, M.A. (38) 55)

Development
Anionic peroxidase; Gene expression; *Nicotiana sylvestris*; Proteinase inhibitor I; Protoplast; Stress (Criqui, M.-C. (38) 121)

Drosophila; *Hairless*; Peripheral nervous system (PNS); Serine rich protein (Maier, D. (38) 143)

DNA binding
C/EBP mRNA; Metamorphosis; Tissue distribution; Transcription factor (Xu, Q. (38) 69)

Dorsal blastopore lip
Fork head domain; Transcription factor; Mesoderm induction; *Xenopus laevis* (Knöchel, S. (38) 157)

Drosophila
Hairless; Peripheral nervous system (PNS); Development; Serine rich protein (Maier, D. (38) 143)

Ejaculatory duct
Paragonia; Mating response; Secretory cell; Enhancer trap (Bertram, M.J. (38) 33)

Embryo
IGF-2; Growth; Metabolism; Mouse (Harvey, M.B. (38) 169)

Morphogenetic movement; Wound healing; c-*fos* (Martin, P. (38) 209)

engrailed
Homeobox; *Schistosoma mansoni*; *Antennapedia*; *paired* (Webster, P.J. (38) 25)

Engrailed
Brain; Paired-box; Spinal cord (Püschel, A.W. (38) 197)

Enhancer trap
Paragonia; Ejaculatory duct; Mating response; Secretory cell (Bertram, M.J. (38) 33)

β-Enolase
Mouse myogenesis; In situ hybridization; Immunocytochemistry (Keller, A. (38) 41)

Fibroblast growth factor
Mesoderm induction; Signal transduction; Tyrosine phosphorylation; Protein kinase C (Gillespie, L.L. (38) 99)

Fibronectin
Xenopus; Gastrulation; Integrin; Mesoderm induction; Activin (Howard, J.E. (38) 109)

***Fork head* domain**
Transcription factor; Dorsal blastopore lip; Mesoderm induction; *Xenopus laevis* (Knöchel, S. (38) 157)

Gastrulation
Xenopus; Integrin; Fibronectin; Mesoderm induction; Activin (Howard, J.E. (38) 109)

Gene expression
Transforming growth factor-beta; Myocyte (Engelmann, G.L. (38) 85)

Anionic peroxidase; Development; *Nicotiana sylvestris*; Proteinase inhibitor I; Protoplast; Stress (Criqui, M.-C. (38) 121)

Growth
IGF-2; Metabolism; Mouse; Embryo (Harvey, M.B. (38) 169)

Growth factor
Neural induction; Suramin; Mesodermal induction; Spemann's organizer (Grunz, H. (38) 133)

Hairless
Drosophila; Peripheral nervous system (PNS); Development; Serine rich protein (Maier, D. (38) 143)

Helix-loop-helix protein
Achaete-scute complex; Imaginal disc; Neurogenesis (Blair, S.S. (38) 3)

Homeobox
Schistosoma mansoni; *Antennapedia*; *engrailed*; *paired* (Webster, P.J. (38) 25)

Dermatome; *Hox*; Mouse embryology; Neurogenesis; Positional information (Frohman, M.A. (38) 55)

Homeobox gene
Retinoic acid; Teratocarcinoma cell; Pattern formation (Langston, A.W. (38) 217)

Hox
Dermatome; Homeobox; Mouse embryology; Neurogenesis; Positional information (Frohman, M.A. (38) 55)

IGF-2
Growth; Metabolism; Mouse; Embryo (Harvey, M.B. (38) 169)

Imaginal disc
Achaete-scute complex; Helix-loop-helix protein; Neurogenesis (Blair, S.S. (38) 3)

Immunocytochemistry
β-Enolase; Mouse myogenesis; In situ hybridization (Keller, A. (38) 41)

In situ hybridization
β-Enolase; Mouse myogenesis; Immunocytochemistry (Keller, A. (38) 41)

Integrin
Xenopus; Gastrulation; Fibronectin; Mesoderm induction; Activin (Howard, J.E. (38) 109)

Mating response
Paragonia; Ejaculatory duct; Secretory cell; Enhancer trap (Bertram, M.J. (38) 33)

Mesodermal induction
Neural induction; Suramin; Spemann's organizer; Growth factor (Grunz, H. (38) 133)

Mesoderm induction
Muscle actin gene; Retinoic acid; Transcriptional maintenance (Brennan, S.M. (38) 17)

Signal transduction; Fibroblast growth factor; Tyrosine phosphorylation; Protein kinase C (Gillespie, L.L. (38) 99)

Xenopus; Gastrulation; Integrin; Fibronectin; Activin (Howard, J.E. (38) 109)

Fork head domain; Transcription factor; Dorsal blastopore lip; *Xenopus laevis* (Knöchel, S. (38) 157)

Xenopus laevis; Basic fibroblast growth factor; Signal sequence; Secretion (Thompson, J. (38) 175)

Metabolism
IGF-2; Growth; Mouse; Embryo (Harvey, M.B. (38) 169)

Metamorphosis
C/EBP mRNA; DNA binding; Tissue distribution; Transcription factor (Xu, Q. (38) 69)

Morphogenetic movement
Embryo; Wound healing; c-*fos* (Martin, P. (38) 209)

Mouse
IGF-2; Growth; Metabolism; Embryo (Harvey, M.B. (38) 169)

Mouse embryology
Dermatome; *Hox*; Homeobox; Neurogenesis; Positional information (Frohman, M.A. (38) 55)

Mouse myogenesis
β-Enolase; In situ hybridization; Immunocytochemistry (Keller, A. (38) 41)

Muscle actin gene
Mesoderm induction; Retinoic acid; Transcriptional maintenance (Brennan, S.M. (38) 17)

Myocyte
Transforming growth factor-beta; Gene expression (Engelmann, G.L. (38) 85)

Neural induction
Suramin; Mesodermal induction; Spemann's organizer; Growth factor (Grunz, H. (38) 133)

Neurogenesis
Achaete-scute complex; Helix-loop-helix protein; Imaginal disc (Blair, S.S. (38) 3)

Dermatome; *Hox*; Homeobox; Mouse embryology; Positional information (Frohman, M.A. (38) 55)

Nicotiana sylvestris
Anionic peroxidase; Development; Gene expression; Proteinase inhibitor I; Protoplast; Stress (Criqui, M.-C. (38) 121)

paired
Homeobox; *Schistosoma mansoni*; *Antennapedia*; *engrailed* (Webster, P.J. (38) 25)

Paired-box
Brain; Engrailed; Spinal cord (Püschel, A.W. (38) 197)

Paragonia
Ejaculatory duct; Mating response; Secretory cell; Enhancer trap (Bertram, M.J. (38) 33)

Pattern formation
Retinoic acid; Teratocarcinoma cell; Homeobox gene (Langston, A.W. (38) 217)

Peripheral nervous system (PNS)
Drosophila; *Hairless*; Development; Serine rich protein (Maier, D. (38) 143)

Positional information
Dermatome; *Hox*; Homeobox; Mouse embryology; Neurogenesis (Frohman, M.A. (38) 55)

Proteinase inhibitor I
Anionic peroxidase; Development; Gene expression; *Nicotiana sylvestris*; Protoplast; Stress (Criqui, M.-C. (38) 121)

Protein kinase C
Mesoderm induction; Signal transduction; Fibroblast growth factor; Tyrosine phosphorylation (Gillespie, L.L. (38) 99)

Protoplast
Anionic peroxidase; Development; Gene expression; *Nicotiana sylvestris*; Proteinase inhibitor I; Stress (Criqui, M.-C. (38) 121)

Retinoic acid
Mesoderm induction; Muscle actin gene; Transcriptional maintenance (Brennan, S.M. (38) 17)

Teratocarcinoma cell; Homeobox gene; Pattern formation (Langston, A.W. (38) 217)

Schistosoma mansoni
Homeobox; *Antennapedia*; *engrailed*; *paired* (Webster, P.J. (38) 25)

Secretion
Xenopus laevis; Basic fibroblast growth factor; Signal sequence; Mesoderm induction (Thompson, J. (38) 175)

Secretory cell
Paragonia; Ejaculatory duct; Mating response; Enhancer trap (Bertram, M.J. (38) 33)

Serine rich protein
Drosophila; *Hairless*; Peripheral nervous system (PNS); Development (Maier, D. (38) 143)

Signal sequence
Xenopus laevis; Basic fibroblast growth factor; Secretion; Mesoderm induction (Thompson, J. (38) 175)

Signal transduction
Mesoderm induction; Fibroblast growth factor; Tyrosine phosphorylation; Protein kinase C (Gillespie, L.L. (38) 99)

Spemann's organizer
Neural induction; Suramin; Mesodermal induction; Growth factor (Grunz, H. (38) 133)

Spinal cord
Brain; Engrailed; Paired-bo (xPüschel, A.W. (38) 197)

Stress
Anionic peroxidase; Development; Gene expression; *Nicotiana sylvestris*; Proteinase inhibitor I; Protoplast (Criqui, M.-C. (38) 121)

Suramin
Neural induction; Mesodermal induction; Spemann's organizer; Growth factor (Grunz, H. (38) 133)

Teratocarcinoma cell
Retinoic acid; Homeobox gene; Pattern formation (Langston, A.W. (38) 217)

Tissue distribution
C/EBP mRNA; DNA binding; Metamorphosis; Transcription factor (Xu, Q. (38) 69)

Transcriptional maintenance
Mesoderm induction; Muscle actin gene; Retinoic acid (Brennan, S.M. (38) 17)

Transcription factor
C/EBP mRNA; DNA binding; Metamorphosis; Tissue distribution (Xu, Q. (38) 69)

Fork head domain; Dorsal blastopore lip; Mesoderm induction; *Xenopus laevis* (Knöchel, S. (38) 157)

Transforming growth factor-beta
Gene expression; Myocyte (Engelmann, G.L. (38) 85)

Tyrosine phosphorylation
Mesoderm induction; Signal transduction; Fibroblast growth factor; Protein kinase C (Gillespie, L.L. (38) 99)

Wound healing
Embryo; Morphogenetic movement; c-*fos* (Martin, P. (38) 209)

Xenopus
Gastrulation; Integrin; Fibronectin; Mesoderm induction; Activin (Howard, J.E. (38) 109)

Xenopus laevis
Fork head domain; Transcription factor; Dorsal blastopore lip; Mesoderm induction (Knöchel, S. (38) 157)

Basic fibroblast growth factor; Signal sequence; Secretion; Mesoderm induction (Thompson, J. (38) 175)